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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

DATE: MAY 1 4 1988

SUBJECT: Sandoval Zinc Company

SI: ILD053980454

J.U.

FROM: Jim Ursic

Technical Support Unit

TO: Jeanne Griffin'
Pre-Remedial Unit

I have reviewed and approved the state prepared site inspection report of the Sandoval Zinc Company.

Monitoring well and soil samples were taken at this site by the state. Although the monitoring well samples did not meet the emergency action levels for drinking water, the soil sample results were found to contain very high levels of zinc, lead, copper and nickel (see attached documents).

I am unaware of any emergency action levels for soil contamination, and recommend that your office track and forward this data to the emergency section for their review. The site is easily accessible and is unguarded, groundwater in this area has been reported at 7 feet below ground level.

Since this package was state prepared and does not have a tracking form, I am returning all information to your unit for tracking and follow-up by the emergency section to avoid having this package "lost" in the system.

Ixyou have any questions please contact me at 353-1526.

Attachments

August 14, 1987

10:

Division File

ILD 053 980 454

FROM:

Gregory W. Dunn 光め

SUBJECT:

L1210500002--Marion County Sandoval/Sandoval Zinc Company

Superfund/HRS

Narrative Summary

A site inspection was conducted on May 12, 1987 at the Sandoval Zinc Company by Greg Dunn and Rich Lange of the PA/SI Unit. The plant is located east of Sandoval, in the SE1, NE1 of Section 17, Township 2 North, Range 1 East, Marion County, Illinois. The plant initially processed zinc ore in 1890 and was converted to a secondary zinc smelter about 1915. Wastes produced prior to 1970 consisted of heavy metal-rich cinders and ashes, which were used for fill material around the plant building.

In order to comply with air pollution regulations, a scrubber was installed on the plant stack in 1970. The wastewater from the scrubber was disposed in a lagoon (on the southeast corner of the site) constructed from the cinders produced by past plant operations. The scrubber wastewater was allowed to seep into the ground until a sludge-like material remained. After a large amount of sludge had accumulated, the sludge was reprocessed for zinc recovery or allowed to dry before being sold to fertilizer companies. The lagoon was in use close to 10 years and measured 100 feet wide, 150 feet long by 4 feet deep.

The plant was almost completely destroyed by fire on June 27, 1972. The fire began at 10:00 a.m. when an oil line, that feeds the furnaces, broke and spilled oil onto the plant grounds. The fire destroyed all but (2) two buildings. The buildings were rebuilt and operations continued until 1985. On December 19, 1986, Sandoval Zinc Company's charter in the State of Illinois was dissolved.

During the inspection, 3 monitor wells were sampled and 4 sediment samples were taken. The sediment samples were taken in the east side stream (\$101 and \$102) and in the ditch on the west side of the facility (\$201 and S202). Monitor wells G101, G102, and G103 were the monitor well sample points.

After the samples were taken and evidence taped, a walk through of all buildings was initiated. Every building, except the office, is easily accessible through open doors. Two drums, with an oily appearance, were found in the southernmost building on the southeastern part of the site. Other buildings contained crushed drums, old machinery and 3 to 4 inches of dust. Departure of the site was at 6:30 p.m.

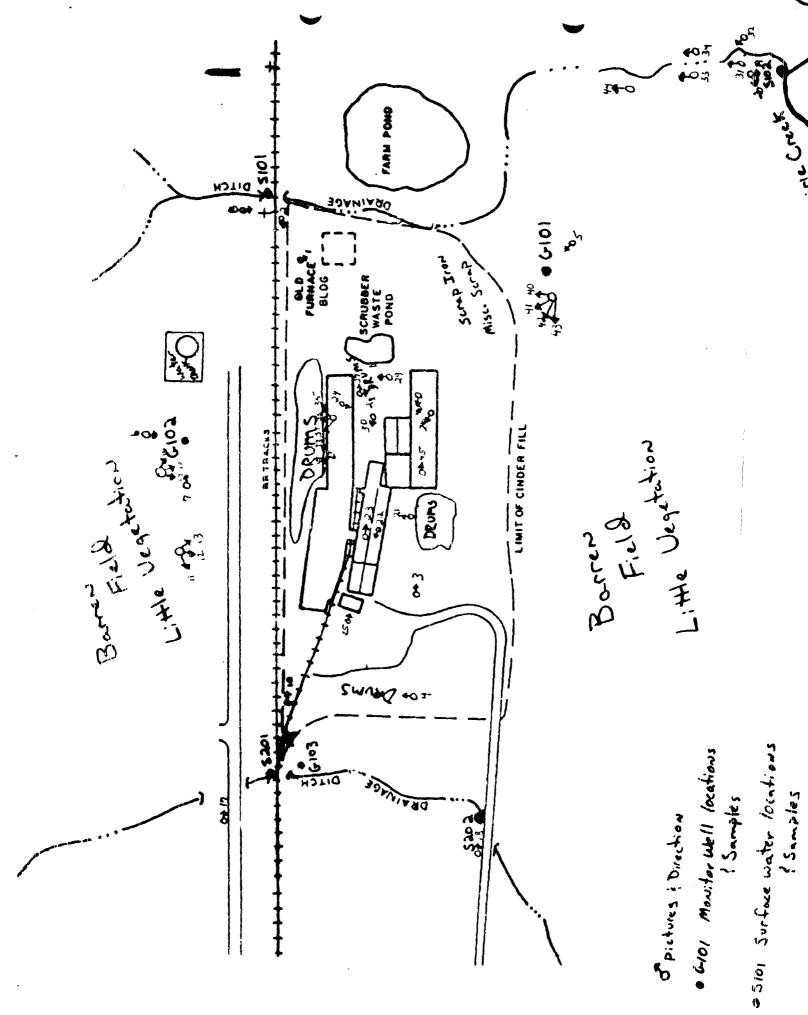
Rich Lange of the PA/SI Unit returned to the site on May 23, 1987 to retrieve papers that were scattered on the floors. Among the collected papers are 0.S.H.A. violations, employee blood level results for lead, and analyses on incoming or outgoing loads of materials.

An owner of the Sandoval Zinc Company has not yet been determined. According to the Marion County Clerk's office, only one land transaction occurred. The transaction was a quit claim deed in 1936 from M. Wheill Metals Company to Sandoval Zinc Company. A corporate history search may be needed to determine owners name.

GD:kh/e-1

cc: Don Josif

Southern Region



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IEPA AMALYSIS PROGRAM Report of INCREANIC Results Seil Samples

Site ID : \$202 Sample # : \$7002407

	REMARKS	TALME	DILUTION	
PARAMETER	(mee inst.)	(ug/hg)	FACTOR	
********************	********	*******	*******	
Aluminum		10300000	1	
Antimony	urs.	76000	3	
Armenia		24900	5	
Berium		301000	1	
Beryllium	U	1000	1	
Codmium		11200	1	
Calcium		18160000	10	
Chromium		41400	1	
Cobalt		10600	1	
Copper		1370000	10	
Iron		41600000	1	
Leed		4662000	10	
Kagaesiwa		2140000	1	
Bangange		749000	1	
Bergury		679	1	
Potaesius		736000	1	
Histol		394000	1	
Selenius	280	620	1	
51.lver	R	1500	1	
Thallium		890	1	
T1a		373000	1	
Sodius		738000	1	
Vanadi wa		33800	1	
21aa		44700000	40	
Cynnida	U	250	1	
Bulfete		110200	1	
Bull fide	U	5000	1	
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of site is a rural village (Soudoval), North, South and East of site is rural farm land.

UNITED STATES DEPARTMENT, F THE INTERIOR GEOLOGICAL SURVEY 89°07'30" 38°3**7**'30" PATOKA 9 MI A 316000m E. 317 318 **1** 8 7 9 4277000m N Weight T Station Drive-in Theater Sandoval BALTIMORE ..16 Sandoval 1275 Sewage Disposal Golf Course D 0 N Α Α 4274 ٥٥. 4273 35' --Junction City (Glen Ridge/Sta)